

Science 7

Earth's Crust

A. Continental Drift Theory

Alfred Wegner (1880-1930)

- Continents move
- 1 continent at 1 time. (Pangea)

Evidence:

- biological
- geological
- meteorological

Problem:

- What is "driving force"?

B. Plate Tectonic Theory

Tuzo Wilson

- Earth's Crust broken into plates (not continents)
- Plates move on mantle
- Possible "driving force" is convection currents

Evidence:

- Sonar - under H₂O mountains
- Magnetometers - pattern of magnetic stripes.